

Observations of Brooks' Comet (c 1893), made at the Royal Observatory, Greenwich.
(Communicated by the Astronomer Royal.)

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The observations were made with the East, or Sheepshanks, equatorial, aperture 6·7 inches, by taking transits over two cross wires at right angles to one another, and each inclined 45° to the parallel of declination.

The observations are corrected for refraction, but not for parallax. They are also corrected for the error of inclination of the wires and for the motion of the comet.

Greenwich Mean Solar Time.														Greenwich Observations														LIV. I,			
Observer.			♂--*R.A.			Log Factor of Parallax.			Corr. for Refraction.			♂--*N.P.D.			Log Factor of Parallax.			Corr. for Refraction.			No. of Comps.			Appt. R.A. of ♂.			Appt. N.P.D. of ♂.			Comp. Star.	
d	h	m s	+	-	m s	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Oct.	18	16 58 18	A.C.		6	10·24		9·5766		+0·04		+7	51·8		0·8151		+0·4		1		12	24	1·63		75	55	4·2		a		
	18	17 3 47	"		2	54·02		9·5754		+0·05		+9	26·5		0·8131		+0·5		1		12	24	1·24		75	54	38·9		b		
	18	17 3 47	"		15	32·07		9·5754		-0·01		-0	58·2		0·8131		0·0		1		12	24	1·82		75	54	35·3		c		
	18	17 3 47	"		16	4·20		9·5754		-0·03		-5	29·0		0·8131		-0·2		1		12	24	1·19		75	54	39·5		d		
	22	16 35 7	B.		4	10·97		9·5842		+0·03		+3	54·7		0·8135		+0·2		1			g		
	22	16 55 47	"		3	19·40		9·5801		+0·02		+3	50·6		0·8038		0·0		2			f		
	22	16 58 33	"		0	19·15		9·5794		+0·01		+2	6·6		0·8026		0·0		2			e		
	22	17 8 29	A.C.		3	20·82		9·5757		+0·01		+3	13·6		0·7977		0·0		3			f		
	25	17 12 4	"		0	0·15		9·5760		-0·02		-6	57·2		0·7838		-0·2		5			h		
	25	17 15 29	"		2	43·83		9·5744		+0·01		+4	40·3		0·7820		+0·1		2		12	33	37·13		71	9	43·2		i		
	25	17 15 29	"		3	24·06		9·5744		0·00		+1	24·8		0·7820		+0·1		2		12	33	37·06		71	9	47·5		k		
	26	16 12 40	B.		1	3·90		9·5917		+0·05		+8	19·8		0·8121		+0·4		3		12	35	0·97		70	28	43·8		l		
	26	16 17 57	"		0	2·08		9·5916		-0·05		-9	20·4		0·8094		-0·4		3		12	35	0·84		70	28	47·8		m		
	30	16 28 34	"		2	6·78		9·5976		+0·02		+6	45·5		0·7874		0·0		3		12	41	13·48		67	31	49·5		n		
	30	16 35 58	"		1	21·65		9·5956		-0·04		-15	29·5		0·7824		-0·1		3		12	41	13·07		67	31	27·8		o		

Notes.

Oct. 30.—The Comet was fairly bright, and had a diffused nucleus. A distinct tail was seen, 15' in length, pointing in north preceding direction.
The initials A. C. and B. are those of Mr. Crommelin and Mr. Bryant respectively.

Assumed Mean Places of the Comparison Stars.

	Star's Name.	Assumed R.A., 1893 ^o .			Assumed N.P.D., 1893 ^o .			Authority.
		h	m	s	°	'	"	
<i>a</i>	W.B. XII. 257	12	17	50.37	75	47	3.2	Lalande and Weisse's Bessel.
<i>b</i>	B.D. + 14°, 2512	12	26	54.26	75	45	3.0	Pulkova Catalogue, 1875.
<i>c</i>	W.B. XII. 632	12	39	32.99	75	55	24.5	Yarnall's Washington Catalogue, 1860.
<i>d</i>	W.B. XII. 646	12	40	4.51	75	59	59.7	Glasgow Catalogue, 1870.
<i>e</i>	B.D. + 17°, 2492	12	25	59.5	73	11.6		Bonn Observations, vol. iii.
<i>f</i>	Anonymous	12	28	(59)	73	14		Difference from Star <i>e</i> .
<i>g</i>	B.D. + 17°, 2509	12	33	30.2	73	11.5		Bonn Observations, vol. iii.
<i>h</i>	B.D. + 18°, 2636	12	33	34.4	71	16.4		" " "
<i>i</i>	W.B. (2) XII. 726	12	36	19.91	71	4	51.6	Weisse's Bessel, vol. ii.
<i>k</i>	W.B. (2) XII. 740, 741	12	37	0.09	71	8	11.4	" " "
<i>l</i>	W.B. (2) XII. 723	12	36	3.76	70	20	12.0	Lalande and Weisse's Bessel, vol. ii.
<i>m</i>	B.D. + 19°, 2593	12	35	1.91	70	37	57.1	Bonn Observations, vol. vi.
<i>n</i>	W.B. (2) XII. 774, 775	12	39	5.56	67	24	50.8	Berlin Zones, 72, 87.
<i>o</i>	W.B. (2) XII. 831	12	42	33.66	67	46	44.3	" " "

Erratum in Monthly Notices, Vol. LIII. No. 5, p. 346.

Star *i* was wrongly identified; it is W.B. (2) O, 44. 1893^o R.A. 0^h 5^m 0^s.55. N.P.D. 57° 27' 51".7. Authorities. 2nd Armagh and Paris Catalogues. The place of the anonymous star *h* (deduced from star *i*) should be 1893^o R.A. 0^h 4^m 26^s. N.P.D. 57° 32'.

Royal Observatory, Greenwich:
1893 November 8.